

Summary of the 2010 Statewide Communications Interoperability Plan (SCIP)

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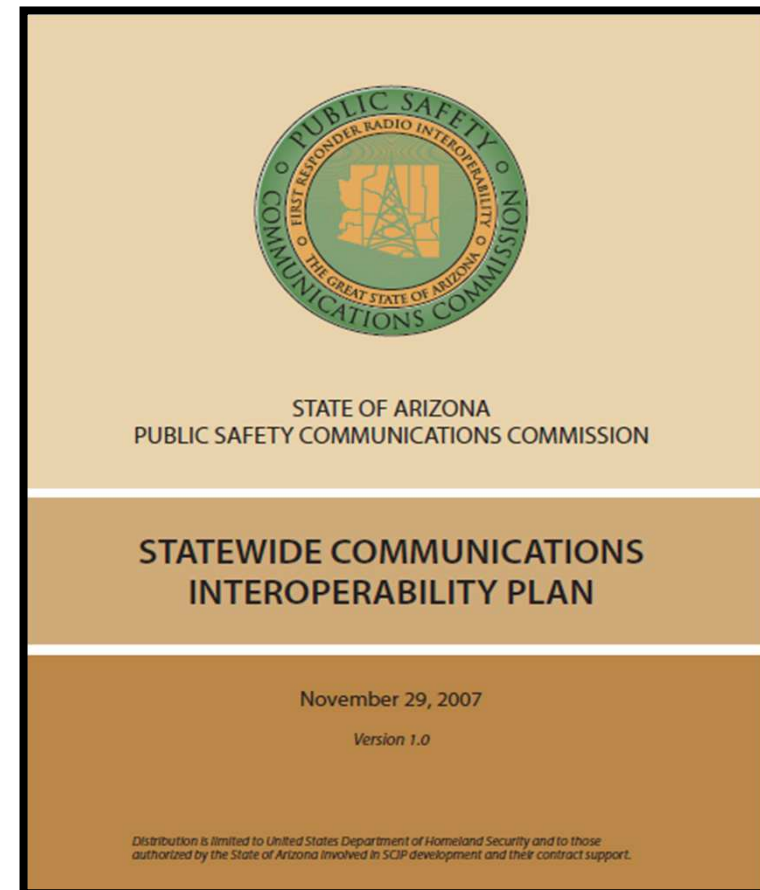
SAIC



January 19, 2010

- SCIP Background and Update
- 2010 SCIP Outline
- Overview of Key Current SCIP Initiatives
- Changes since December 10th Draft
- Approval Action Item

- AZ's first SCIP was drafted to meet a grant requirement in 2007
- Submitted to the Dept. of Homeland Security (DHS) Office of Emergency Communications (OEC) in November 2007 and Approved
- PSIC submitted two SCIP Implementation (Update) Reports to DHS in 2009





2010 SCIP Revision Summary

- A 2008 review identified the need to update the SCIP to reflect changes in the Arizona communications landscape since 2007 and to address:
 - Updated strategic initiatives
 - In-progress project accomplishments
 - PSCC Support move from DPS to GITA
 - Formation of the PSIC Office
 - Updates to the PSCC and SIEC membership
 - Improvements in information on current status of communications
 - Need to incorporate updated information from stakeholder groups



SCIP Update Overview

- Preliminary Draft 2010 SCIP submitted to PSIC for initial review and comment - August 15, 2009
- Interviews with key State and local personnel & additional data gathering – September to November 2009
- Draft SCIP for PSCC, SIEC and public review and comment 3 times as follows:

Draft distributed

October 6th

November 3rd

December 10th

Comments due

October 16th

November 10th

January 4th

- Comments have been incorporated.
- Action Item for SCIP Approval – TODAY!!!



SCIP Content Overview

Introduction

Background

- State Overview
- Regions/Jurisdictions

Methodology

- SCIP Development Process
- Participating Agencies and Points of Contact

Current Statewide Assessment

- Governance, SOPs, Technology, Training, & Usage

Strategy

- Problem statement, vision, mission, goals, objectives, timeframes, and scope
- Strategic Initiatives

Close

Appendices



- Introduces and defines the purpose of the Plan
- Provides an overview of Arizona and its regions to set the context for the rest of the Plan. This overview includes:
 - Summaries of major geographic, demographic, and infrastructure elements that impact interoperable communications across Arizona
 - Arizona's regional public safety entities



SCIP Section 3 – Methodology

- Outlines the participatory methodology used to develop the SCIP.
- Cross-jurisdictional and cross-disciplinary involvement in the development and maintenance of this SCIP is achieved via:
 - PSCC and SIEC public meetings and standing work groups to discuss and make recommendations for advancing statewide communications interoperability
 - PSIC Office outreach and coordination of statewide interoperability efforts



Section 4 – Current Statewide Assessment

- In recent years, Arizona has commissioned and executed several studies to ascertain and document the current status of public safety communications statewide.
- These studies recognize successful endeavors that could be leveraged moving forward, and identify gaps hindering interoperability that need to be mitigated or rectified through future initiatives and planning efforts.
- Summaries of key findings are divided into five SAFECOM categories:
 - Governance
 - SOPs
 - Technology
 - Training & Exercises
 - Usage & Outreach

- Defines Arizona's strategy for improving interoperable communications by leveraging existing assets, agreements, and funding sources both short and long term
- Vision and Mission statements for improving interoperability are introduced
- Funding sources are identified, and grant management guidelines are defined
- Arizona's interoperability goals and objectives are defined, and linked to 12 strategic initiatives



Strategy - Governance

Initiative #1: Expand & Implement Interoperable Communications Governance Model & Plan

Initiative #2: Develop Long-term Plan for Statewide Interoperability for Voice and Data

Initiative #3: Develop and Implement Long-term Funding and Sustainability Strategy for Interoperable Communications

5.8.1.1 Expand & Implement Interoperable Communications Governance Model & Plan

Description

- Designed to expand and strengthen the statewide Arizona governance model and its fundamental system components (e.g., the PSCC, SIEC, SWIC, State Agency Group, stakeholder resource pool, etc.) as an essential precursor to achieving other key strategic interoperability objectives.

Timeframe

- Short-term (2010-2011)

Action Plan

- Revise/strengthen governance model
- Update SCIP
- Develop TICPs and to expand utilization of CASM
- Update SIEC roles, responsibilities, objectives

Performance Measures

- Conform to updated governance approach
- Finalize and publish an approved revised SCIP
- Finalize and publish TICPs for defined regions
- Populate CASM for interested entities
- Encourage multi-jurisdictional and multi-discipline participation on SIEC workgroups
- Ensure consistent alignment of the SCIP to the NECP

5.8.2.1 Establish a Policies, Standards, and Procedures (PSP) Framework, and Implement PSPs, Including SOPs, for Statewide Interoperable Communications Solutions

Description

- In order to fully coordinate interoperable communications statewide, Arizona needs to establish a reliable PSP framework that allows stakeholders to implement interoperability projects consistently across the state. This initiative promotes the development of that framework and its component SOPs and enables stakeholders to implement those SOPs.

Timeframe

- Short-term (2011)

Action Plan

- Conduct a Problem/Needs Analysis
- Garner stakeholder input
- Develop a PSP framework, develop SOP and other templates to promote procedural consistency
- Research historical lessons learned/successes
- Develop proposals
- Implement approved approaches
- Evaluate results

Performance Measures

- Finalize and publish a PSP Framework for interoperability within AZ
- Finalize and publish approved interoperable communications SOP templates for stakeholder use
- Finalize and publish approved SOPs related to statewide interoperable communications solutions (e.g., shared channels, STR assets, etc.)



Strategy - Technology

Initiative #5: Complete AIRS by Deploying Remaining AIRS Suites

Initiative #6: Implement, Enhance and Promote Functional Regional Systems in Support of Interoperable Communications

Initiative #7: Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology

Initiative #8: Implement the State Strategic Technology Reserve (STR)

Initiative #9: Upgrade Operable Communication Systems for State Agencies In Support of Interoperable Communications

5.8.3.1 Complete AIRS by Deploying Remaining AIRS Suites

Description

- Arizona's short-term strategy includes expansion of AIRS coverage in order to provide a basic level of interoperability through national and state interoperability channels. AIRS supports VHF, UHF, and 800 MHz frequencies used throughout Arizona, with a cross-band repeater configuration that allows communication between bands.

Timeframe

- Short term (2011)

Action Plan

- Identify coverage and/or usage gaps
- Identify appropriate locations for AIRS assets (e.g., suite/tower locations, etc.)
- Configure appropriate AIRS assets for deployment
- Test designated AIRS assets prior to deployment
- Deploy assets to designated location(s)
- Ensure deployed assets are operational

Performance Measures

- Deploy a minimum of one AIRS suite for each county (2010)
- Deploy additional identified suites with existing resources (2010)
- Deploy additional coverage solutions (2011)

5.8.3.2 Implement, Enhance and Promote Functional Regional Systems in Support of Interoperable Communications

Description:

Arizona has identified the linking of regional systems with one another and with state systems as the primary mechanism to facilitate interoperability statewide. This initiative is designed to support the development of those component systems.



Regional Systems – Initiative #6

Timeframe

- Long-term

Action Plan

- Conduct a Problem/Needs Analysis
- Garner stakeholder input
- Develop funding and sustainment plans for projected regional system projects/ needs statewide
- Research historical lessons learned/successes
- Develop proposals
- Implement approved approaches
- Evaluate results



Regional Systems – Initiative #6

Performance Measures

- Participate in and/or facilitate meetings to foster regionalization of public safety/service communications
- Pursue grant funding and technical assistance to promote developing new and enhancing existing regional shared systems
- Provide outreach and education to encourage productive discussion regarding the benefits and challenges of regionalized communications strategies
- Implement interoperable communications between users of neighboring shared systems (e.g., intersystem shared channels, etc.)

5.8.3.3 Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology

Description:

- This initiative is designed to support the move from the current analog microwave system to a digital microwave system
- A digital backbone must be in place for Arizona to implement a modern, standards-based, interoperable public safety radio communications system for the state.



Microwave Upgrade – Initiative #7

Timeframe

- Long-term (2017)

Action Plan

- Identify connectivity gaps
- Identify alternate routing and site options
- Complete necessary site/tower modifications
- Acquire necessary microwave infrastructure
- Configure microwave infrastructure for deployment
- Test associated microwave equipment prior to deployment
- Deploy equipment to designated location(s)
- Ensure completed loop connectivity



Microwave Upgrade – Initiative #7

Performance Measures

- Complete Southern Loop digital capability and redundancy (2010)
- Complete Western Loop digital capability and redundancy *(subject to funding availability)*
- Complete Northern Loop digital capability and redundancy *(subject to funding availability)*

5.8.3.4 Implement the State Strategic Technology Reserve (STR)

Description:

- This initiative is designed to sustain telecommunications capabilities during emergencies that may involve communication outages affecting existing commercial and non-commercial telecommunication services. This initiative equips MCUs with interoperable communications equipment (e.g., subscriber radios, base stations, gateways, satellite phones, etc.) and information technology equipment (e.g., laptop computers, etc.) that can be deployed to provide or supplement communications capabilities and governmental operations to an incident area. Furthermore, this initiative equips caches in support of COG efforts as needed.

Timeframe

- Short-term (2010)

Action Plan

- Identify gaps in COG communications
- Identify possible solutions
- Develop STR plan
- Develop the RFP
- Receive bidder proposals
- Evaluate proposals against RFP criteria and award the winning contract(s)
- Complete and issue the required purchasing orders
- Configure, program, and deploy received equipment
- Complete training on use and maintenance of equipment

Performance Measures

- Establishment of multiple communications pathways between key governmental officials and key emergency management officials
- Deployment of all equipment purchased and dedicated to the STR
- Demonstrate the ability to mobilize and activate STR equipment to impacted sites within a reasonable time frame



Strategy – Training & Exercises

Initiative #10: Develop and Implement a Training Plan to Address Interoperable Communications

Initiative #11: Develop and Implement a Strategy for Exercises Focused On or Incorporating Interoperable Communications



5.8.4.1 Develop and Implement a Training Plan to Address Interoperable Communications

Description

- This initiative seeks to develop a statewide interoperable communications training plan for Arizona

Timeframe

- Short-term (2011)

Action Plan

- Conduct a statewide communications-focused training and exercise needs analysis
- Evaluate existing regional training plans
- Develop a statewide Training and Exercise Plan (T&EP)
- Design and develop COML and COMT training programs
- Design and develop an AIRS training program

Performance Measures

- Regions finalize and publish multi-year communications-focused T&EPs
- Finalize and publish a statewide multi-year communications-focused T&EP which incorporates existing regional T&EPs into a statewide T&EP.
- Document an Arizona approach to COML training, credentialing and tracking
- Document an Arizona approach to COMT training, credentialing and tracking
- Develop and implement AIRS training statewide
- Finalize and publish AIRS training curriculum and materials



5.8.5.1 Create and Implement an Education & Outreach Plan in Support of Interoperable Communications ”

Description

- The Education and Outreach Plan will describe the plan for encouraging collaboration and educating policy makers and practitioners on:
 - » Interoperability goals
 - » SCIP initiatives
 - » Best practices throughout Arizona.
- The plan will also describe the roles, responsibilities and opportunities for involvement for the PSIC Office, the PSCC, regional partners and all federal, state, local and tribal agencies in the implementation of the statewide plan



Timeframe

- Short-term (2010)

Action Plan

- Conduct a Problem/Needs Analysis
- Garner stakeholder input
- Research historical lessons learned/successes
- Develop an Outreach Plan that activates local, regional, tribal, state, and federal stakeholders in support of interoperable communications
- Evaluate results



Usage & Outreach – Initiative #12

Performance Measures

- Recruit, hire, and engage an Outreach Manager
- Develop partnerships with agency public information officers, communication managers, regional communication centers and emergency managers
- Finalize and publish a statewide Education and Outreach Plan

- Closing Summary
- Next Steps: Develop more detailed action plans for key initiatives

- A: Regional and County information
- B: Tribal Nation POC information
- C: UASI POC Information
- D: Executive Order 2007-03
- E: PSCC and SIEC Membership
- F: Technology Assets
- G: Arizona 2009 SCIP Implementation Report
- H: State Shared Systems
- I: References
- J: Glossary
- K: DHS SCIP Criteria Cross Reference
- L: NECP Alignment



Changes Since December 10th Version

- Cleaned up spelling, grammar and reference errors
- Updated AIRS Initiative to match the most current AIRS SOP approved by SIEC
- Strengthened NECP Section
 - Added more robust description of NECP and Key Goals of the National Communications Plan
 - Added Appendix L: NECP Provisions which apply to the states and a cross reference table between the NECP Milestones & AZ's SCIP Strategic Initiatives

Questions?

Discussion

Approval - Action Item